



Digital Transition Department (DTD)

September 2023
V4.0





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Technological Centre for the Portuguese T&C Sector



Team of 200 people



R&D

Tests and Certification

Training

Consultancy and Technical Services



Portuguese T&C (2022)

+ 11.000 Companies

128.000 Workers

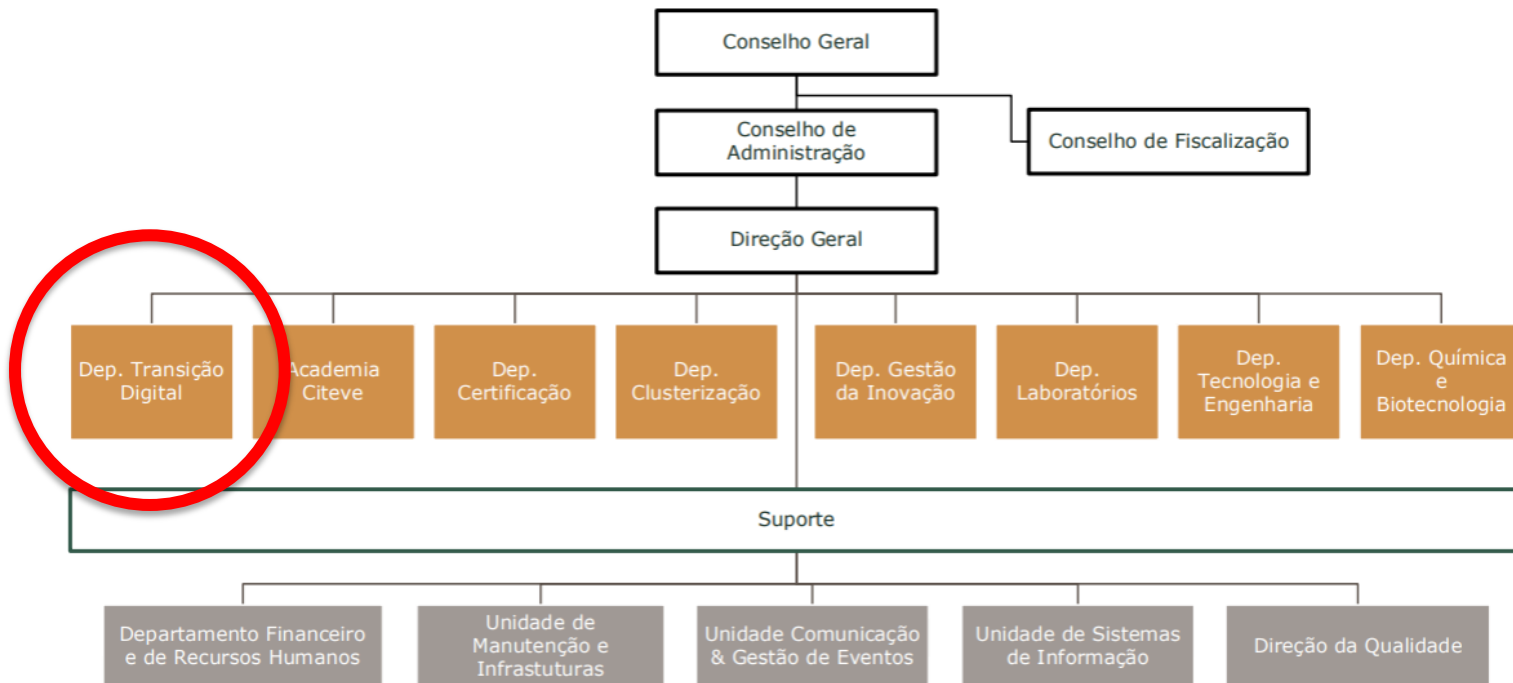
Turnover +/- 8.500 M€

Department for Digital Transition












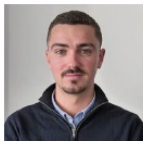

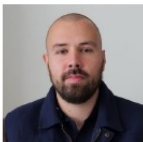

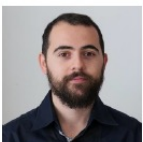




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Helena Moura	Ivan Gomes	João Cruz			
					
João Silva	Luís Silva	Miguel Sá			

Team @ DTD

Department for Digi





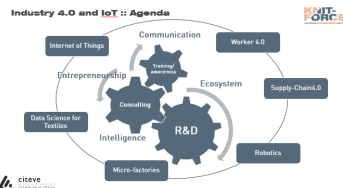
To become the driving force behind the digital transformation of the Portuguese textile and clothing sector, bringing together companies, R&D centres and professionals to promote and foster the development and adoption of innovative digital technologies and solutions.

Our Mission



The story so far...

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Presentation

Strategic
Agenda

Jul
2019

Approval of
STVgoDIGITAL

STV GO
DIGITAL.

Approval of
DI4FASHION

DIH
DIGI4
FASHION

Submission of
TEXP@CT

TEXP@CT

Jun
2023

Sep
2018

Start
Strategic
Agenda

Apr
2019

Submission of
STVgoDIGITAL

STV GO
DIGITAL.

Jul
2020

Jan
2021

Creation of
DTD group

Sep
2021

Nov
2021

1st Conference
Paper

Apr
2022

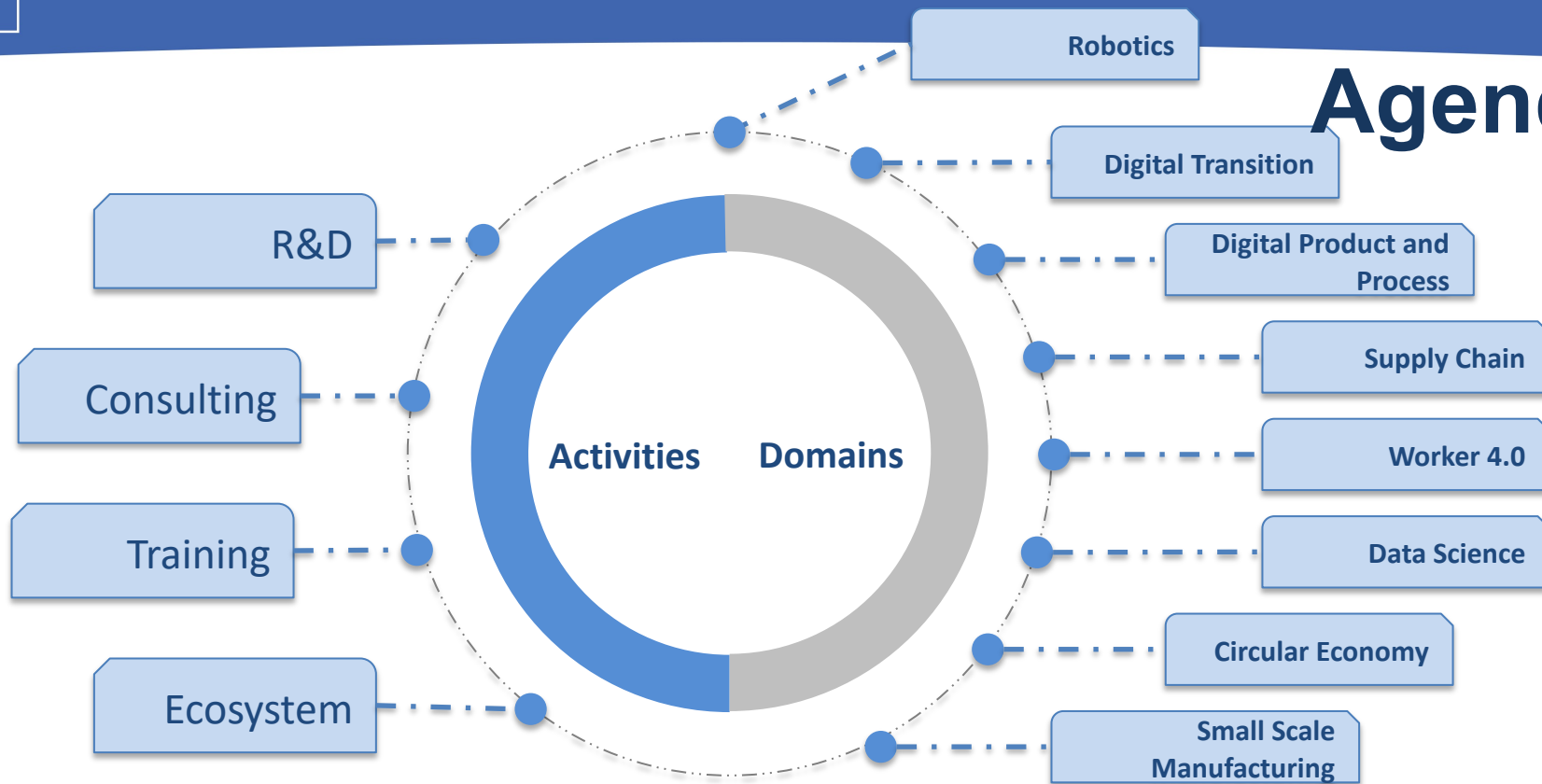
Start of
TEXP@CT

Jul
2022

Enf of
STVgoDIGITAL

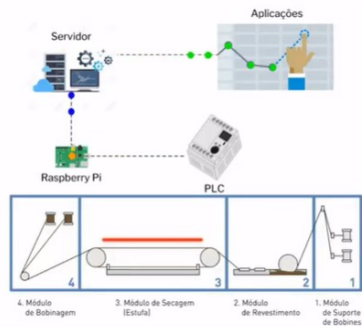
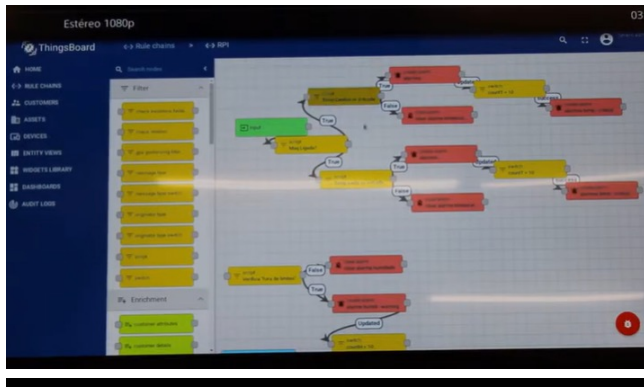


Agenda





Some of our developments...



Example of a retrofitted machine using Thingsboard IoT platform

IoT – 2019



STVgoDIGITAL (2020-2023)

Digital transformation of the portuguese
textile and clothing value-chain



Overall budget
6 M Eur



Duration
33 months

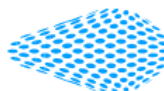


Consortium
23 partners (16 companies and 7 R&D centres),
from T&C and IT

Cofinanciado por:



UNIÃO EUROPEIA
Fundos Europeus
Estruturais e de Investimento



CLUSTER TÊXTEL
tecnologia e moda

Department for Digital Transition



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Project Leader



STV GO

DIGITAL.

Industry Partners



T I N T E X NATURALLY
ADVANCED



paFIL
Clothing Industry



Latino group



DOMINGOS DE SOUSA

SINCE 1941



TÊXTEIS PINDOLA

CONFETIL

Technical Partners



Neadvance
Intelligent Vision Systems



Research Partners



Instituto Politécnico
de Viana do Castelo



Centro de
Computação Gráfica





STV GO

DIGITAL.

STVgoDIGITAL (2020-2023)



PPS 1

**Circular
Economy 4.0**



PPS 2

**Supply
Chain 4.0**



PPS 3

**Fashion
Ecosystem**



PPS 4

Worker 4.0



PPS 5

**AI for Textile
and Clothing
(T&C)**

Project PPC4.0 (2021-2023)



Production Planning and Control 4.0



Overall budget
1.140.580,26 Eur

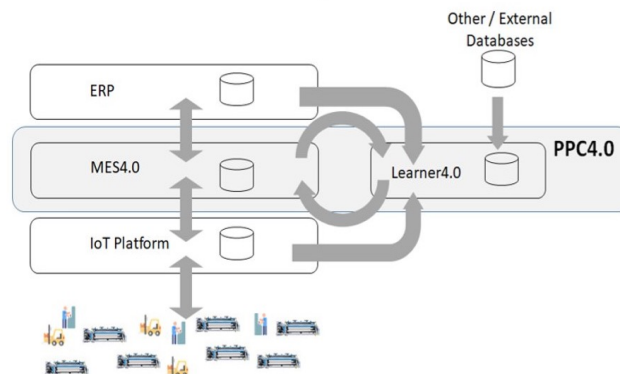


Duration
30 months



Consortium

FLUXODATA, SOMELOS Tecidos, CITEVE,
CCG, Univ. of Minho



Role of CITEVE – Production planning optimisation by applying approaches based on genetic algorithms

Cofinanciado por:



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Optimization of the sampling process

S4TI (2020-2022)

- System to increase the accuracy / success of the 1st physical sample
- Case-based reasoning approach
- Main goal: To identify the previous products developed that are closest to a new one



Ecosystem



SUDOE project
PT, ES and FR
Digital transformation, pilots, ...
T&C SME



COSME project
PT, ES and FR
Cluster services
Cross-sectoral (T&C and Advanced Manufacturing)



Horizon 2020
Smart textiles / wearables
acceleration, start-ups,



COSME project
PT, ES, FR, IT
Cluster services and internationalisation
Cross-sectoral (T&C and Advances manufacturing)



SUDOE project

PT, ES, IE, SI

Digital transformation, innovation, cross-sectoral, ...

T&C, Construction and IT

Ecosystem



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Digi4FASHION - Digital Innovation Hub

Digi4FASHION – Digital Innovation Hub for the textile and footwear industry

- National DIH
- Joint effort between the textile and footwear sectors
- Official recognition in 2021
- Start in 2023



**DIGI4
FASHI
-ON**





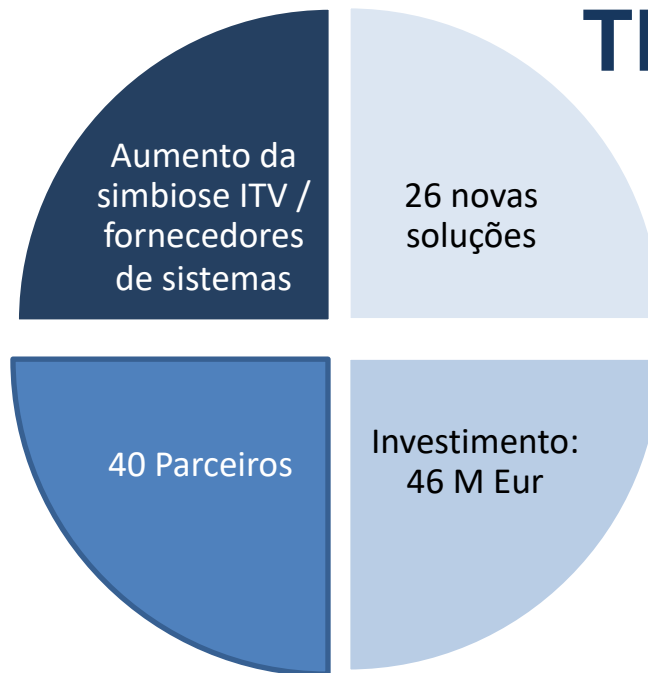
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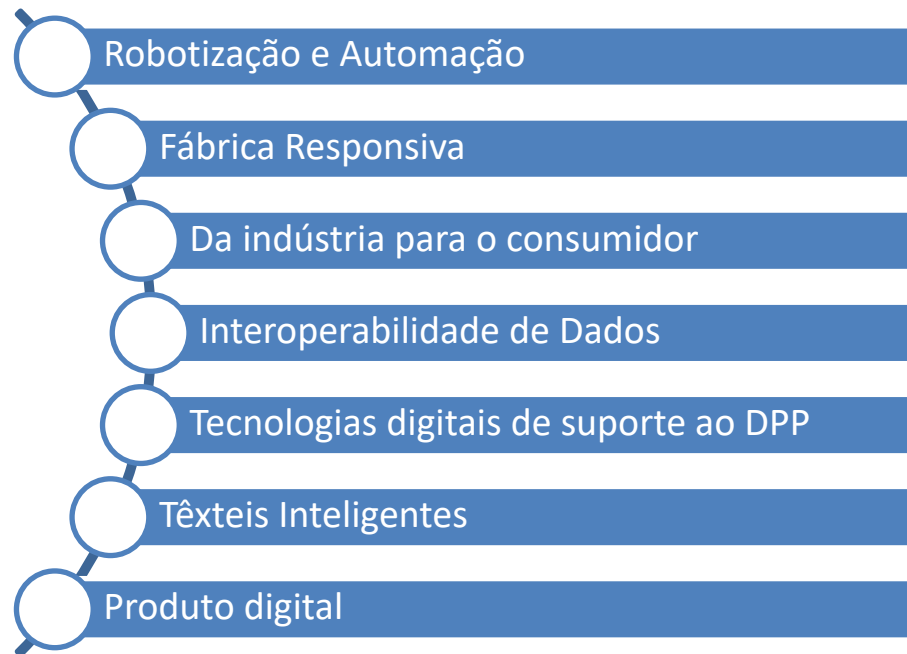
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IMPETUS
LÍDER



**COORDENADOR
CIENTÍFICO**

ACATEL

adalberto



cenit.



ESI



Instituto Politécnico
de Viana do Castelo



SMARTEX.FI



TINTEX NATURALLY
ADVANCED



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Thank you very much!

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